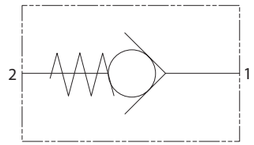
CV3-4 - Check valve

Direct acting, poppet type
7.6 L/min (2 USgpm) • 350 bar (5000 psi)



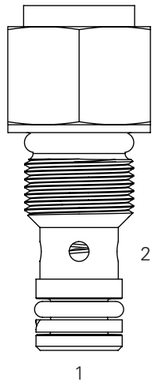
Operation

The valve remains closed until the spring bias is reached at port 1 at which time the poppet lifts of the seat and allows flow from port 1 to port 2. in the other direction the valve is closed.

Features

Compact screw in cartridge design. Hardened and ground working parts to limit leakage and extend service life.

Sectional view



Descriptions

This is a compact Poppet Type check valve ideal for use in manifolds for load sense or low flow applications.

Performance data

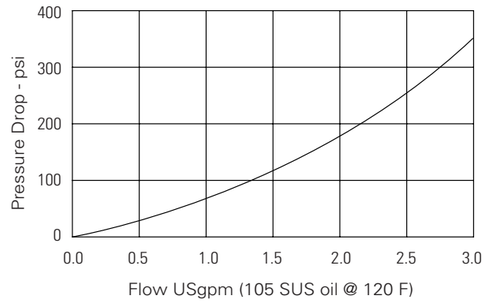
Ratings and specifications

Performance data is typical with fluid at 21,8 cST (105 SUS) and 49°C (120°F)	
Typical application pressure (all ports)	350 bar (5000 psi)
Cartridge fatigue pressure (infinite life)	350 bar (5000 psi)
Rated flow	7.6 L/min (2 USgpm)
Free flow cracking pressure @ 1 L/min (0.25 USgpm)	5-0.34 bar (5 psi) 60 - 4.1 bar (60 psi)
Internal leakage, port 2 to 1	5 drops/min maximum @ 210 bar (3000 psi)
Temperature range	–40° to 120°C (–40° to 248° F)
Cavity	C-4-2
Fluids	All general purpose hydraulic fluids such as MIL -H-5606, SAE 10, SAE 20, etc.
Filtration	Cleanliness code 18/**16/13**
Weight: cartridge only	0.04 kg (0.09 lbs.)
Seal kit	9900174-000 (Buna-N) 9900175-000 (Viton")

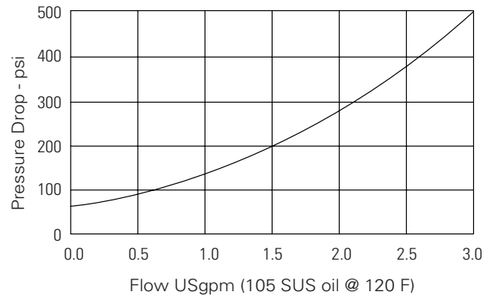
Viton is a registered trademark of E. I. DuPont

Pressure drop

CV3-4-P-000-05



CV3-4-P-000-60



Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.

CV3-4 - Check valve

Direct acting, poppet type
7.6 L/min (2 USgpm) • 350 bar (5000 psi)

Model code

CV3 – 4 (V) – P – * – ** – 00**

1 2 3 4 5 6 7

1 Function
CV3 - Check valve

2 Size
4 - 4 size

3 Seal material
Blank - Buna-N
V - Viton

4 Style
P - Poppet Type

5 Port size
000 - Cartridge only

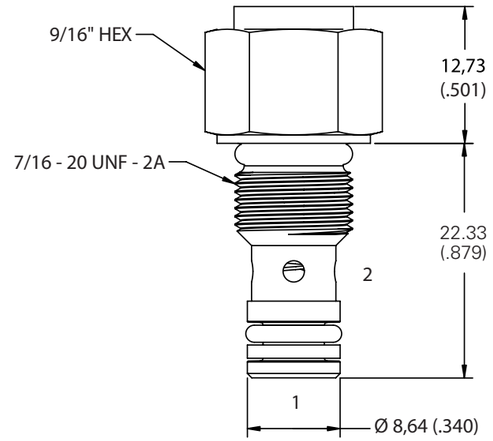
6 Free flow cracking pressure
05 - 0,34 bar (5 psi)
60 - 4.1 bar (60 psi)

7 Special features
00 - None
(Only required if valve has special features, omitted if "00")

Dimensions

mm (inch)

Cartridge only
Basic code
CV3-4



Note: Torque cartridge in aluminum or steel housing to 8.1-13.6 Nm (6-10 ft. lbs).

⚠ Warning
Aluminum housings can be used for pressures up to 210 bar (3000 psi). Steel housings must be used for operating pressures above 210 bar (3000 psi).

Where measurements are critical request certified drawings. We reserve the right to change specifications without notice.